

# Transmission - Natural Gas STAR Annual Report 2007

## Company Information

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6/9/08 - CG  
- entered into STAR  
6/13/08 QA/QC DF

Company Information Updated: No

## Activities Reported

BMP1: No BMP2: No BMP3: No BMP4: Yes

Total Methane Emission Reductions Reported This Year: 1,218,941

Previous Years' Activities Reported: No

## Period Covered by Report

From: 01/01/2007

To: 12/31/2007

## Additional Comments

**BMP4: Partner Reported Opportunities (PROs)**

**Current Year Activities**

**A. Facility/location identifier information:**

Appomattox, VA

**B. Description of PRO**

Please specify the technology or practice that was implemented:

**Using pipeline pumpdown techniques to lower gas line pressure before maintenance**

Please describe how your company implemented this PRO:

**portable recompression**

**C. Level of Implementation**

**D. Methane Emissions Reduction**

Methane Emissions Reduction: **259,220 Mcf/year**

Basis for the emissions reduction estimate: **Actual field measurement**

**E. Are these emissions reductions a one-year reduction or a multi-year reduction?**

☒ One-year

☐ Multi-year

**If Multi-year:**

Partner will report this activity once and let EPA automatically calculate future emission reductions based on sunset date duration.

Partner will report this activity annually up to allowed sunset date.

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### F. Cost Summary

Estimated cost of implementing the PRO (including equipment and labor): \$ 358,330

### G. Total Value of Gas Saved

Value of Gas Saved: \$ 1,814,540

\$ / Mcf used: \$ 7.00

### H. Planned Future Activities

To what extent do you expect to implement this PRO next year?: continue practice

### Previous Years' Activities

Year	Frequency of practice or # of Installations	Total Cost * (\$)	Estimated Reductions (Mcf/Yr)	Value of Gas Saved (\$)

\* Total cost of practice/activity (including equipment and labor)

### Additional Comments

**BMP4: Partner Reported Opportunities (PROs)**

**Current Year Activities**

**A. Facility/location identifier information:**

Bear Creek, PA

**B. Description of PRO**

Please specify the technology or practice that was implemented:

**Using pipeline pumpdown techniques to lower gas line pressure before maintenance**

Please describe how your company implemented this PRO:

**portable recompression**

**C. Level of Implementation**

**D. Methane Emissions Reduction**

Methane Emissions Reduction: **6,660 Mcf/year**

Basis for the emissions reduction estimate: **Actual field measurement**

**E. Are these emissions reductions a one-year reduction or a multi-year reduction?**

☒ One-year

☐ Multi-year

**If Multi-year:**

Partner will report this activity once and let EPA automatically calculate future emission reductions based on sunset date duration.

Partner will report this activity annually up to allowed sunset date.

**F. Cost Summary**

Estimated cost of implementing the PRO (including equipment and labor):   **\$ 17,200**

**G. Total Value of Gas Saved**

Value of Gas Saved:   **\$ 46,620**

\$ / Mcf used:   **\$ 7.00**

**H. Planned Future Activities**

To what extent do you expect to implement this PRO next year?:   **continue practice**

**Previous Years' Activities**

<b>Year</b>	<b>Frequency of practice or # of Installations</b>	<b>Total Cost * (\$)</b>	<b>Estimated Reductions (Mcf/Yr)</b>	<b>Value of Gas Saved (\$)</b>

\* Total cost of practice/activity (including equipment and labor)

**Additional Comments**

BMP4: Partner Reported Opportunities (PROs)

**Current Year Activities**

**A. Facility/location identifier information:**

Chatham, VA

**B. Description of PRO**

Please specify the technology or practice that was implemented:

**Using pipeline pumpdown techniques to lower gas line pressure before maintenance**

Please describe how your company implemented this PRO:

**portable recompression**

**C. Level of Implementation**

**D. Methane Emissions Reduction**

Methane Emissions Reduction: **7,920 Mcf/year**

Basis for the emissions reduction estimate: **Actual field measurement**

**E. Are these emissions reductions a one-year reduction or a multi-year reduction?**

☒ One-year

☐ Multi-year

**If Multi-year:**

Partner will report this activity once and let EPA automatically calculate future emission reductions based on sunset date duration.

Partner will report this activity annually up to allowed sunset date.

**F. Cost Summary**

Estimated cost of implementing the PRO (including equipment and labor):   **\$ 19,700**

**G. Total Value of Gas Saved**

Value of Gas Saved:   **\$ 55,440**

\$ / Mcf used:   **\$ 7.00**

**H. Planned Future Activities**

To what extent do you expect to implement this PRO next year?:   **continue practice**

**Previous Years' Activities**

<b>Year</b>	<b>Frequency of practice or # of Installations</b>	<b>Total Cost * (\$)</b>	<b>Estimated Reductions (Mcf/Yr)</b>	<b>Value of Gas Saved (\$)</b>

\* Total cost of practice/activity (including equipment and labor)

**Additional Comments**

**BMP4: Partner Reported Opportunities (PROs)**

**Current Year Activities**

**A. Facility/location identifier information:**

Comer, GA

**B. Description of PRO**

Please specify the technology or practice that was implemented:

**Using pipeline pumpdown techniques to lower gas line pressure before maintenance**

Please describe how your company implemented this PRO:

**portable recompression**

**C. Level of Implementation**

**D. Methane Emissions Reduction**

Methane Emissions Reduction: **34,690 Mcf/year**

Basis for the emissions reduction estimate: **Actual field measurement**

**E. Are these emissions reductions a one-year reduction or a multi-year reduction?**

☒ One-year

☐ Multi-year

**If Multi-year:**

Partner will report this activity once and let EPA automatically calculate future emission reductions based on sunset date duration.

Partner will report this activity annually up to allowed sunset date.



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### F. Cost Summary

Estimated cost of implementing the PRO (including equipment and labor): \$ 36,970

### G. Total Value of Gas Saved

Value of Gas Saved: \$ 242,830

\$ / Mcf used: \$ 7.00

### H. Planned Future Activities

To what extent do you expect to implement this PRO next year?: continue practice

### Previous Years' Activities

Year	Frequency of practice or # of Installations	Total Cost * (\$)	Estimated Reductions (Mcf/Yr)	Value of Gas Saved (\$)

\* Total cost of practice/activity (including equipment and labor)

### Additional Comments

BMP4: Partner Reported Opportunities (PROs)

**Current Year Activities**

**A. Facility/location identifier information:**

Conyers, GA

**B. Description of PRO**

Please specify the technology or practice that was implemented:

**Using pipeline pumpdown techniques to lower gas line pressure before maintenance**

Please describe how your company implemented this PRO:

**portable recompression**

**C. Level of Implementation**

**D. Methane Emissions Reduction**

Methane Emissions Reduction: **64,680 Mcf/year**

Basis for the emissions reduction estimate: **Actual field measurement**

**E. Are these emissions reductions a one-year reduction or a multi-year reduction?**

☒ One-year

☐ Multi-year

**If Multi-year:**

Partner will report this activity once and let EPA automatically calculate future emission reductions based on sunset date duration.

Partner will report this activity annually up to allowed sunset date.

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### F. Cost Summary

Estimated cost of implementing the PRO (including equipment and labor): \$ 85,950

### G. Total Value of Gas Saved

Value of Gas Saved: \$ 452,760

\$ / Mcf used: \$ 7.00

### H. Planned Future Activities

To what extent do you expect to implement this PRO next year?: continue practice

### Previous Years' Activities

Year	Frequency of practice or # of Installations	Total Cost * (\$)	Estimated Reductions (Mcf/Yr)	Value of Gas Saved (\$)

\* Total cost of practice/activity (including equipment and labor)

### Additional Comments

BMP4: Partner Reported Opportunities (PROs)

**Current Year Activities**

**A. Facility/location identifier information:**

Cowpens, SC

**B. Description of PRO**

Please specify the technology or practice that was implemented:

**Using pipeline pumpdown techniques to lower gas line pressure before maintenance**

Please describe how your company implemented this PRO:

**portable recompression**

**C. Level of Implementation**

**D. Methane Emissions Reduction**

Methane Emissions Reduction: **17,720 Mcf/year**

Basis for the emissions reduction estimate: **Actual field measurement**

**E. Are these emissions reductions a one-year reduction or a multi-year reduction?**

☒ One-year

☐ Multi-year

**If Multi-year:**

Partner will report this activity once and let EPA automatically calculate future emission reductions based on sunset date duration.

Partner will report this activity annually up to allowed sunset date.

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### F. Cost Summary

Estimated cost of implementing the PRO (including equipment and labor): \$ 27,000

### G. Total Value of Gas Saved

Value of Gas Saved: \$ 124,040

\$ / Mcf used: \$ 7.00

### H. Planned Future Activities

To what extent do you expect to implement this PRO next year?: continue practice

### Previous Years' Activities

Year	Frequency of practice or # of Installations	Total Cost * (\$)	Estimated Reductions (Mcf/Yr)	Value of Gas Saved (\$)

\* Total cost of practice/activity (including equipment and labor)

### Additional Comments

**BMP4: Partner Reported Opportunities (PROs)**

**Current Year Activities**

**A. Facility/location identifier information:**

Dayton, TX

**B. Description of PRO**

Please specify the technology or practice that was implemented:

**Using pipeline pumpdown techniques to lower gas line pressure before maintenance**

Please describe how your company implemented this PRO:

**portable recompression**

**C. Level of Implementation**

**D. Methane Emissions Reduction**

Methane Emissions Reduction: **6,380 Mcf/year**

Basis for the emissions reduction estimate: **Actual field measurement**

**E. Are these emissions reductions a one-year reduction or a multi-year reduction?**

☒ One-year

☐ Multi-year

**If Multi-year:**

Partner will report this activity once and let EPA automatically calculate future emission reductions based on sunset date duration.

Partner will report this activity annually up to allowed sunset date.

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### F. Cost Summary

Estimated cost of implementing the PRO (including equipment and labor): \$ 17,400

### G. Total Value of Gas Saved

Value of Gas Saved: \$ 44,660

\$ / Mcf used: \$ 7.00

### H. Planned Future Activities

To what extent do you expect to implement this PRO next year?: continue practice

### Previous Years' Activities

Year	Frequency of practice or # of Installations	Total Cost * (\$)	Estimated Reductions (Mcf/Yr)	Value of Gas Saved (\$)

\* Total cost of practice/activity (including equipment and labor)

### Additional Comments

**BMP4: Partner Reported Opportunities (PROs)**

**Current Year Activities**

**A. Facility/location identifier information:**

Easton, PA

**B. Description of PRO**

Please specify the technology or practice that was implemented:

**Using pipeline pumpdown techniques to lower gas line pressure before maintenance**

Please describe how your company implemented this PRO:

**portable recompression**

**C. Level of Implementation**

**D. Methane Emissions Reduction**

Methane Emissions Reduction: **2,890 Mcf/year**

Basis for the emissions reduction estimate: **Actual field measurement**

**E. Are these emissions reductions a one-year reduction or a multi-year reduction?**

☒ One-year

☐ Multi-year

**If Multi-year:**

Partner will report this activity once and let EPA automatically calculate future emission reductions based on sunset date duration.

Partner will report this activity annually up to allowed sunset date.



**F. Cost Summary**

Estimated cost of implementing the PRO (including equipment and labor): \$ 12,000

**G. Total Value of Gas Saved**

Value of Gas Saved: \$ 20,230

\$ / Mcf used: \$ 7.00

**H. Planned Future Activities**

To what extent do you expect to implement this PRO next year?: continue practice

**Previous Years' Activities**

Year	Frequency of practice or # of Installations	Total Cost * (\$)	Estimated Reductions (Mcf/Yr)	Value of Gas Saved (\$)

\* Total cost of practice/activity (including equipment and labor)

**Additional Comments**

**BMP4: Partner Reported Opportunities (PROs)**

**Current Year Activities**

**A. Facility/location identifier information:**

Eden, NC

**B. Description of PRO**

Please specify the technology or practice that was implemented:

**Using pipeline pumpdown techniques to lower gas line pressure before maintenance**

Please describe how your company implemented this PRO:

**portable recompression**

**C. Level of Implementation**

**D. Methane Emissions Reduction**

Methane Emissions Reduction: **41,250 Mcf/year**

Basis for the emissions reduction estimate: **Actual field measurement**

**E. Are these emissions reductions a one-year reduction or a multi-year reduction?**

☒ One-year

☐ Multi-year

**If Multi-year:**

Partner will report this activity once and let EPA automatically calculate future emission reductions based on sunset date duration.

Partner will report this activity annually up to allowed sunset date.

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### F. Cost Summary

Estimated cost of implementing the PRO (including equipment and labor): \$ 69,460

### G. Total Value of Gas Saved

Value of Gas Saved: \$ 288,750

\$ / Mcf used: \$ 7.00

### H. Planned Future Activities

To what extent do you expect to implement this PRO next year?: continue practice

### Previous Years' Activities

Year	Frequency of practice or # of Installations	Total Cost * (\$)	Estimated Reductions (Mcf/Yr)	Value of Gas Saved (\$)

\* Total cost of practice/activity (including equipment and labor)

### Additional Comments

BMP4: Partner Reported Opportunities (PROs)

**Current Year Activities**

**A. Facility/location identifier information:**

Fayetteville, GA

**B. Description of PRO**

Please specify the technology or practice that was implemented:

**Using pipeline pumpdown techniques to lower gas line pressure before maintenance**

Please describe how your company implemented this PRO:

**portable recompression**

**C. Level of Implementation**

**D. Methane Emissions Reduction**

Methane Emissions Reduction: **42,570 Mcf/year**

Basis for the emissions reduction estimate: **Actual field measurement**

**E. Are these emissions reductions a one-year reduction or a multi-year reduction?**

☒ One-year

☐ Multi-year

**If Multi-year:**

Partner will report this activity once and let EPA automatically calculate future emission reductions based on sunset date duration.

Partner will report this activity annually up to allowed sunset date.

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### F. Cost Summary

Estimated cost of implementing the PRO (including equipment and labor): \$ 46,000

### G. Total Value of Gas Saved

Value of Gas Saved: \$ 297,990

\$ / Mcf used: \$ 7.00

### H. Planned Future Activities

To what extent do you expect to implement this PRO next year?: continue practice

### Previous Years' Activities

Year	Frequency of practice or # of Installations	Total Cost * (\$)	Estimated Reductions (Mcf/Yr)	Value of Gas Saved (\$)

\* Total cost of practice/activity (including equipment and labor)

### Additional Comments

BMP4: Partner Reported Opportunities (PROs)

**Current Year Activities**

**A. Facility/location identifier information:**

Frazer, PA

**B. Description of PRO**

Please specify the technology or practice that was implemented:

**Using pipeline pumpdown techniques to lower gas line pressure before maintenance**

Please describe how your company implemented this PRO:

**portable recompression**

**C. Level of Implementation**

**D. Methane Emissions Reduction**

Methane Emissions Reduction: **45,180 Mcf/year**

Basis for the emissions reduction estimate: **Actual field measurement**

**E. Are these emissions reductions a one-year reduction or a multi-year reduction?**

☒ One-year

☐ Multi-year

**If Multi-year:**

Partner will report this activity once and let EPA automatically calculate future emission reductions based on sunset date duration.

Partner will report this activity annually up to allowed sunset date.

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### F. Cost Summary

Estimated cost of implementing the PRO (including equipment and labor): \$ 69,594

### G. Total Value of Gas Saved

Value of Gas Saved: \$ 316,260

\$ / Mcf used: \$ 7.00

### H. Planned Future Activities

To what extent do you expect to implement this PRO next year?: continue practice

### Previous Years' Activities

Year	Frequency of practice or # of Installations	Total Cost * (\$)	Estimated Reductions (Mcf/Yr)	Value of Gas Saved (\$)

\* Total cost of practice/activity (including equipment and labor)

### Additional Comments

BMP4: Partner Reported Opportunities (PROs)

**Current Year Activities**

**A. Facility/location identifier information:**

Gretna, VA

**B. Description of PRO**

Please specify the technology or practice that was implemented:

**Using pipeline pumpdown techniques to lower gas line pressure before maintenance**

Please describe how your company implemented this PRO:

**portable recompression**

**C. Level of Implementation**

**D. Methane Emissions Reduction**

Methane Emissions Reduction: **15,370 Mcf/year**

Basis for the emissions reduction estimate: **Actual field measurement**

**E. Are these emissions reductions a one-year reduction or a multi-year reduction?**

☒ One-year

☐ Multi-year

**If Multi-year:**

Partner will report this activity once and let EPA automatically calculate future emission reductions based on sunset date duration.

Partner will report this activity annually up to allowed sunset date.



**F. Cost Summary**

Estimated cost of implementing the PRO (including equipment and labor):   **\$ 26,400**

**G. Total Value of Gas Saved**

Value of Gas Saved:   **\$ 107,590**

\$ / Mcf used:   **\$ 7.00**

**H. Planned Future Activities**

To what extent do you expect to implement this PRO next year?:   **continue practice**

**Previous Years' Activities**

<b>Year</b>	<b>Frequency of practice or # of Installations</b>	<b>Total Cost * (\$)</b>	<b>Estimated Reductions (Mcf/Yr)</b>	<b>Value of Gas Saved (\$)</b>

\* Total cost of practice/activity (including equipment and labor)

**Additional Comments**

**BMP4: Partner Reported Opportunities (PROs)**

**Current Year Activities**

**A. Facility/location identifier information:**

Grover, NC

**B. Description of PRO**

Please specify the technology or practice that was implemented:

**Using pipeline pumpdown techniques to lower gas line pressure before maintenance**

Please describe how your company implemented this PRO:

**portable recompression**

**C. Level of Implementation**

**D. Methane Emissions Reduction**

Methane Emissions Reduction: **51,510 Mcf/year**

Basis for the emissions reduction estimate: **Actual field measurement**

**E. Are these emissions reductions a one-year reduction or a multi-year reduction?**

☒ One-year

☐ Multi-year

**If Multi-year:**

Partner will report this activity once and let EPA automatically calculate future emission reductions based on sunset date duration.

Partner will report this activity annually up to allowed sunset date.

## Transmission - Natural Gas STAR Annual Report 2007

### F. Cost Summary

Estimated cost of implementing the PRO (including equipment and labor): \$ 95,950

### G. Total Value of Gas Saved

Value of Gas Saved: \$ 360,570

\$ / Mcf used: \$ 7.00

### H. Planned Future Activities

To what extent do you expect to implement this PRO next year?: continue practice

### Previous Years' Activities

Year	Frequency of practice or # of Installations	Total Cost * (\$)	Estimated Reductions (Mcf/Yr)	Value of Gas Saved (\$)

\* Total cost of practice/activity (including equipment and labor)

### Additional Comments

**BMP4: Partner Reported Opportunities (PROs)**

**Current Year Activities**

**A. Facility/location identifier information:**

Houston, TX

**B. Description of PRO**

Please specify the technology or practice that was implemented:

**Using pipeline pumpdown techniques to lower gas line pressure before maintenance**

Please describe how your company implemented this PRO:

**portable recompression**

**C. Level of Implementation**

**D. Methane Emissions Reduction**

Methane Emissions Reduction: **57,130 Mcf/year**

Basis for the emissions reduction estimate: **Actual field measurement**

**E. Are these emissions reductions a one-year reduction or a multi-year reduction?**

☒ One-year

☐ Multi-year

**If Multi-year:**

Partner will report this activity once and let EPA automatically calculate future emission reductions based on sunset date duration.

Partner will report this activity annually up to allowed sunset date.

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### F. Cost Summary

Estimated cost of implementing the PRO (including equipment and labor): \$ 126,200

### G. Total Value of Gas Saved

Value of Gas Saved: \$ 399,910

\$ / Mcf used: \$ 7.00

### H. Planned Future Activities

To what extent do you expect to implement this PRO next year?: continue practice

### Previous Years' Activities

Year	Frequency of practice or # of Installations	Total Cost * (\$)	Estimated Reductions (Mcf/Yr)	Value of Gas Saved (\$)

\* Total cost of practice/activity (including equipment and labor)

### Additional Comments

BMP4: Partner Reported Opportunities (PROs)

**Current Year Activities**

**A. Facility/location identifier information:**

Hughesville, PA

**B. Description of PRO**

Please specify the technology or practice that was implemented:

**Using pipeline pumpdown techniques to lower gas line pressure before maintenance**

Please describe how your company implemented this PRO:

**portable recompression**

**C. Level of Implementation**

**D. Methane Emissions Reduction**

Methane Emissions Reduction: **13,790 Mcf/year**

Basis for the emissions reduction estimate: **Actual field measurement**

**E. Are these emissions reductions a one-year reduction or a multi-year reduction?**

☒ One-year

☐ Multi-year

**If Multi-year:**

Partner will report this activity once and let EPA automatically calculate future emission reductions based on sunset date duration.

Partner will report this activity annually up to allowed sunset date.

**F. Cost Summary**

Estimated cost of implementing the PRO (including equipment and labor): \$ 23,200

**G. Total Value of Gas Saved**

Value of Gas Saved: \$ 96,530

\$ / Mcf used: \$ 7.00

**H. Planned Future Activities**

To what extent do you expect to implement this PRO next year?: continue practice

**Previous Years' Activities**

Year	Frequency of practice or # of Installations	Total Cost * (\$)	Estimated Reductions (Mcf/Yr)	Value of Gas Saved (\$)

\* Total cost of practice/activity (including equipment and labor)

**Additional Comments**

BMP4: Partner Reported Opportunities (PROs)

**Current Year Activities**

**A. Facility/location identifier information:**

Huntersville, NC

**B. Description of PRO**

Please specify the technology or practice that was implemented:

**Using pipeline pumpdown techniques to lower gas line pressure before maintenance**

Please describe how your company implemented this PRO:

**portable recompression**

**C. Level of Implementation**

**D. Methane Emissions Reduction**

Methane Emissions Reduction: **25,810 Mcf/year**

Basis for the emissions reduction estimate: **Actual field measurement**

**E. Are these emissions reductions a one-year reduction or a multi-year reduction?**

☒ One-year

☐ Multi-year

**If Multi-year:**

Partner will report this activity once and let EPA automatically calculate future emission reductions based on sunset date duration.

Partner will report this activity annually up to allowed sunset date.



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### F. Cost Summary

Estimated cost of implementing the PRO (including equipment and labor): \$ 33,600

### G. Total Value of Gas Saved

Value of Gas Saved: \$ 180,670

\$ / Mcf used: \$ 7.00

### H. Planned Future Activities

To what extent do you expect to implement this PRO next year?: continue practice

### Previous Years' Activities

Year	Frequency of practice or # of Installations	Total Cost * (\$)	Estimated Reductions (Mcf/Yr)	Value of Gas Saved (\$)

\* Total cost of practice/activity (including equipment and labor)

### Additional Comments

BMP4: Partner Reported Opportunities (PROs)

**Current Year Activities**

**A. Facility/location identifier information:**

Katy, TX

**B. Description of PRO**

Please specify the technology or practice that was implemented:

**Using pipeline pumpdown techniques to lower gas line pressure before maintenance**

Please describe how your company implemented this PRO:

**portable recompression**

**C. Level of Implementation**

**D. Methane Emissions Reduction**

Methane Emissions Reduction: **21 Mcf/year**

Basis for the emissions reduction estimate: **Actual field measurement**

**E. Are these emissions reductions a one-year reduction or a multi-year reduction?**

☒ One-year

☐ Multi-year

**If Multi-year:**

Partner will report this activity once and let EPA automatically calculate future emission reductions based on sunset date duration.

Partner will report this activity annually up to allowed sunset date.

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### F. Cost Summary

Estimated cost of implementing the PRO (including equipment and labor): **\$ 41,550**

### G. Total Value of Gas Saved

Value of Gas Saved: **\$ 148**

\$ / Mcf used: **\$ 7.00**

### H. Planned Future Activities

To what extent do you expect to implement this PRO next year?: **continue practice**

### Previous Years' Activities

Year	Frequency of practice or # of Installations	Total Cost * (\$)	Estimated Reductions (Mcf/Yr)	Value of Gas Saved (\$)

\* Total cost of practice/activity (including equipment and labor)

### Additional Comments

**BMP4: Partner Reported Opportunities (PROs)**

**Current Year Activities**

**A. Facility/location identifier information:**

Lee Crossroads, AL

**B. Description of PRO**

Please specify the technology or practice that was implemented:

**Using pipeline pumpdown techniques to lower gas line pressure before maintenance**

Please describe how your company implemented this PRO:

**portable recompression**

**C. Level of Implementation**

**D. Methane Emissions Reduction**

Methane Emissions Reduction: **42,400 Mcf/year**

Basis for the emissions reduction estimate: **Actual field measurement**

**E. Are these emissions reductions a one-year reduction or a multi-year reduction?**

☒ One-year

☐ Multi-year

**If Multi-year:**

Partner will report this activity once and let EPA automatically calculate future emission reductions based on sunset date duration.

Partner will report this activity annually up to allowed sunset date.

**F. Cost Summary**

Estimated cost of implementing the PRO (including equipment and labor):   **\$ 76,930**

**G. Total Value of Gas Saved**

Value of Gas Saved:   **\$ 296,800**

\$ / Mcf used:   **\$ 7.00**

**H. Planned Future Activities**

To what extent do you expect to implement this PRO next year?:   **continue practice**

**Previous Years' Activities**

<b>Year</b>	<b>Frequency of practice or # of Installations</b>	<b>Total Cost * (\$)</b>	<b>Estimated Reductions (Mcf/Yr)</b>	<b>Value of Gas Saved (\$)</b>

\* Total cost of practice/activity (including equipment and labor)

**Additional Comments**

**BMP4: Partner Reported Opportunities (PROs)**

**Current Year Activities**

**A. Facility/location identifier information:**

Lexington, NC

**B. Description of PRO**

Please specify the technology or practice that was implemented:

**Using pipeline pumpdown techniques to lower gas line pressure before maintenance**

Please describe how your company implemented this PRO:

**portable recompression**

**C. Level of Implementation**

**D. Methane Emissions Reduction**

Methane Emissions Reduction: **37,900 Mcf/year**

Basis for the emissions reduction estimate: **Actual field measurement**

**E. Are these emissions reductions a one-year reduction or a multi-year reduction?**

☒ One-year

☐ Multi-year

**If Multi-year:**

Partner will report this activity once and let EPA automatically calculate future emission reductions based on sunset date duration.

Partner will report this activity annually up to allowed sunset date.

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### F. Cost Summary

Estimated cost of implementing the PRO (including equipment and labor): \$ 75,300

### G. Total Value of Gas Saved

Value of Gas Saved: \$ 265,300

\$ / Mcf used: \$ 7.00

### H. Planned Future Activities

To what extent do you expect to implement this PRO next year?: continue practice

### Previous Years' Activities

Year	Frequency of practice or # of Installations	Total Cost * (\$)	Estimated Reductions (Mcf/Yr)	Value of Gas Saved (\$)

\* Total cost of practice/activity (including equipment and labor)

### Additional Comments

BMP4: Partner Reported Opportunities (PROs)

**Current Year Activities**

**A. Facility/location identifier information:**

Luzerne Co, PA

**B. Description of PRO**

Please specify the technology or practice that was implemented:

**Using pipeline pumpdown techniques to lower gas line pressure before maintenance**

Please describe how your company implemented this PRO:

**portable recompression**

**C. Level of Implementation**

**D. Methane Emissions Reduction**

Methane Emissions Reduction: **10,180 Mcf/year**

Basis for the emissions reduction estimate: **Actual field measurement**

**E. Are these emissions reductions a one-year reduction or a multi-year reduction?**

☒ One-year

☐ Multi-year

**If Multi-year:**

Partner will report this activity once and let EPA automatically calculate future emission reductions based on sunset date duration.

Partner will report this activity annually up to allowed sunset date.



**F. Cost Summary**

Estimated cost of implementing the PRO (including equipment and labor): \$ 21,000

**G. Total Value of Gas Saved**

Value of Gas Saved: \$ 71,260

\$ / Mcf used: \$ 7.00

**H. Planned Future Activities**

To what extent do you expect to implement this PRO next year?: continue practice

**Previous Years' Activities**

Year	Frequency of practice or # of Installations	Total Cost * (\$)	Estimated Reductions (Mcf/Yr)	Value of Gas Saved (\$)

\* Total cost of practice/activity (including equipment and labor)

**Additional Comments**

BMP4: Partner Reported Opportunities (PROs)

**Current Year Activities**

**A. Facility/location identifier information:**

Manassas, VA

**B. Description of PRO**

Please specify the technology or practice that was implemented:

**Using pipeline pumpdown techniques to lower gas line pressure before maintenance**

Please describe how your company implemented this PRO:

**portable recompression**

**C. Level of Implementation**

**D. Methane Emissions Reduction**

Methane Emissions Reduction: **78,430 Mcf/year**

Basis for the emissions reduction estimate: **Actual field measurement**

**E. Are these emissions reductions a one-year reduction or a multi-year reduction?**

☒ One-year

☐ Multi-year

**If Multi-year:**

Partner will report this activity once and let EPA automatically calculate future emission reductions based on sunset date duration.

Partner will report this activity annually up to allowed sunset date.

**F. Cost Summary**

Estimated cost of implementing the PRO (including equipment and labor):   **\$ 124,070**

**G. Total Value of Gas Saved**

Value of Gas Saved:   **\$ 549,010**

\$ / Mcf used:   **\$ 7.00**

**H. Planned Future Activities**

To what extent do you expect to implement this PRO next year?:   **continue practice**

**Previous Years' Activities**

<b>Year</b>	<b>Frequency of practice or # of Installations</b>	<b>Total Cost * (\$)</b>	<b>Estimated Reductions (Mcf/Yr)</b>	<b>Value of Gas Saved (\$)</b>

\* Total cost of practice/activity (including equipment and labor)

**Additional Comments**

BMP4: Partner Reported Opportunities (PROs)

**Current Year Activities**

**A. Facility/location identifier information:**

Moore, SC

**B. Description of PRO**

Please specify the technology or practice that was implemented:

**Using pipeline pumpdown techniques to lower gas line pressure before maintenance**

Please describe how your company implemented this PRO:

**portable recompression**

**C. Level of Implementation**

**D. Methane Emissions Reduction**

Methane Emissions Reduction: **48,170 Mcf/year**

Basis for the emissions reduction estimate: **Actual field measurement**

**E. Are these emissions reductions a one-year reduction or a multi-year reduction?**

☒ One-year

☐ Multi-year

**If Multi-year:**

Partner will report this activity once and let EPA automatically calculate future emission reductions based on sunset date duration.

Partner will report this activity annually up to allowed sunset date.

## Transmission - Natural Gas STAR Annual Report 2007

### F. Cost Summary

Estimated cost of implementing the PRO (including equipment and labor): **\$ 60,640**

### G. Total Value of Gas Saved

Value of Gas Saved: **\$ 337,190**

\$ / Mcf used: **\$ 7.00**

### H. Planned Future Activities

To what extent do you expect to implement this PRO next year?: **continue practice**

### Previous Years' Activities

Year	Frequency of practice or # of Installations	Total Cost * (\$)	Estimated Reductions (Mcf/Yr)	Value of Gas Saved (\$)

\* Total cost of practice/activity (including equipment and labor)

### Additional Comments

## **Transmission - Natural Gas STAR Annual Report 2007**

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BMP4: Partner Reported Opportunities (PROs)

### **Current Year Activities**

#### **A. Facility/location identifier information:**

Mooreville, NC

#### **B. Description of PRO**

Please specify the technology or practice that was implemented:

**Using pipeline pumpdown techniques to lower gas line pressure before maintenance**

Please describe how your company implemented this PRO:

**portable recompression**

#### **C. Level of Implementation**

#### **D. Methane Emissions Reduction**

Methane Emissions Reduction: **73,710 Mcf/year**

Basis for the emissions reduction estimate: **Actual field measurement**

#### **E. Are these emissions reductions a one-year reduction or a multi-year reduction?**

☒ One-year

☐ Multi-year

#### **If Multi-year:**

Partner will report this activity once and let EPA automatically calculate future emission reductions based on sunset date duration.

Partner will report this activity annually up to allowed sunset date.

**F. Cost Summary**

Estimated cost of implementing the PRO (including equipment and labor):   **\$ 82,970**

**G. Total Value of Gas Saved**

Value of Gas Saved:   **\$ 515,970**

\$ / Mcf used:   **\$ 7.00**

**H. Planned Future Activities**

To what extent do you expect to implement this PRO next year?:   **continue practice**

**Previous Years' Activities**

<b>Year</b>	<b>Frequency of practice or # of Installations</b>	<b>Total Cost *</b> <b>(\$)</b>	<b>Estimated Reductions</b> <b>(Mcf/Yr)</b>	<b>Value of Gas Saved (\$)</b>

\* Total cost of practice/activity (including equipment and labor)

**Additional Comments**

BMP4: Partner Reported Opportunities (PROs)

**Current Year Activities**

**A. Facility/location identifier information:**

Oakridge, NC

**B. Description of PRO**

Please specify the technology or practice that was implemented:

**Using pipeline pumpdown techniques to lower gas line pressure before maintenance**

Please describe how your company implemented this PRO:

**portable recompression**

**C. Level of Implementation**

**D. Methane Emissions Reduction**

Methane Emissions Reduction: **25,960 Mcf/year**

Basis for the emissions reduction estimate: **Actual field measurement**

**E. Are these emissions reductions a one-year reduction or a multi-year reduction?**

☒ One-year

☐ Multi-year

**If Multi-year:**

Partner will report this activity once and let EPA automatically calculate future emission reductions based on sunset date duration.

Partner will report this activity annually up to allowed sunset date.



**F. Cost Summary**

Estimated cost of implementing the PRO (including equipment and labor):   \$ 64,910

**G. Total Value of Gas Saved**

Value of Gas Saved:   \$ 181,720

\$ / Mcf used:   \$ 7.00

**H. Planned Future Activities**

To what extent do you expect to implement this PRO next year?:   continue practice

**Previous Years' Activities**

Year	Frequency of practice or # of Installations	Total Cost * (\$)	Estimated Reductions (Mcf/Yr)	Value of Gas Saved (\$)

\* Total cost of practice/activity (including equipment and labor)

**Additional Comments**

**BMP4: Partner Reported Opportunities (PROs)**

**Current Year Activities**

**A. Facility/location identifier information:**

Palmyra, VA

**B. Description of PRO**

Please specify the technology or practice that was implemented:

**Using pipeline pumpdown techniques to lower gas line pressure before maintenance**

Please describe how your company implemented this PRO:

**portable recompression**

**C. Level of Implementation**

**D. Methane Emissions Reduction**

Methane Emissions Reduction: **15,430 Mcf/year**

Basis for the emissions reduction estimate: **Actual field measurement**

**E. Are these emissions reductions a one-year reduction or a multi-year reduction?**

☒ One-year

☐ Multi-year

**If Multi-year:**

Partner will report this activity once and let EPA automatically calculate future emission reductions based on sunset date duration.

Partner will report this activity annually up to allowed sunset date.

**F. Cost Summary**

Estimated cost of implementing the PRO (including equipment and labor):   **\$ 25,200**

**G. Total Value of Gas Saved**

Value of Gas Saved:   **\$ 108,010**

\$ / Mcf used:   **\$ 7.00**

**H. Planned Future Activities**

To what extent do you expect to implement this PRO next year?:   **continue practice**

**Previous Years' Activities**

<b>Year</b>	<b>Frequency of practice or # of Installations</b>	<b>Total Cost *</b> <b>(\$)</b>	<b>Estimated Reductions</b> <b>(Mcf/Yr)</b>	<b>Value of Gas</b> <b>Saved (\$)</b>

\* Total cost of practice/activity (including equipment and labor)

**Additional Comments**

BMP4: Partner Reported Opportunities (PROs)

**Current Year Activities**

**A. Facility/location identifier information:**

Quarryville, PA

**B. Description of PRO**

Please specify the technology or practice that was implemented:

**Using pipeline pumpdown techniques to lower gas line pressure before maintenance**

Please describe how your company implemented this PRO:

**portable recompression**

**C. Level of Implementation**

**D. Methane Emissions Reduction**

Methane Emissions Reduction: **11,110 Mcf/year**

Basis for the emissions reduction estimate: **Actual field measurement**

**E. Are these emissions reductions a one-year reduction or a multi-year reduction?**

☒ One-year

☐ Multi-year

**If Multi-year:**

Partner will report this activity once and let EPA automatically calculate future emission reductions based on sunset date duration.

Partner will report this activity annually up to allowed sunset date.

## Transmission - Natural Gas STAR Annual Report 2007

### F. Cost Summary

Estimated cost of implementing the PRO (including equipment and labor): \$ 19,600

### G. Total Value of Gas Saved

Value of Gas Saved: \$ 77,770

\$ / Mcf used: \$ 7.00

### H. Planned Future Activities

To what extent do you expect to implement this PRO next year?: continue practice

### Previous Years' Activities

Year	Frequency of practice or # of Installations	Total Cost * (\$)	Estimated Reductions (Mcf/Yr)	Value of Gas Saved (\$)

\* Total cost of practice/activity (including equipment and labor)

### Additional Comments

**BMP4: Partner Reported Opportunities (PROs)**

**Current Year Activities**

**A. Facility/location identifier information:**

Roanoke, AL

**B. Description of PRO**

Please specify the technology or practice that was implemented:

**Using pipeline pumpdown techniques to lower gas line pressure before maintenance**

Please describe how your company implemented this PRO:

**portable recompression**

**C. Level of Implementation**

**D. Methane Emissions Reduction**

Methane Emissions Reduction: **17,370 Mcf/year**

Basis for the emissions reduction estimate: **Actual field measurement**

**E. Are these emissions reductions a one-year reduction or a multi-year reduction?**

☒ One-year

☐ Multi-year

**If Multi-year:**

Partner will report this activity once and let EPA automatically calculate future emission reductions based on sunset date duration.

Partner will report this activity annually up to allowed sunset date.

## Transmission - Natural Gas STAR Annual Report 2007

### F. Cost Summary

Estimated cost of implementing the PRO (including equipment and labor): \$ 27,150

### G. Total Value of Gas Saved

Value of Gas Saved: \$ 121,590

\$ / Mcf used: \$ 7.00

### H. Planned Future Activities

To what extent do you expect to implement this PRO next year?: continue practice

### Previous Years' Activities

Year	Frequency of practice or # of Installations	Total Cost * (\$)	Estimated Reductions (Mcf/Yr)	Value of Gas Saved (\$)

\* Total cost of practice/activity (including equipment and labor)

### Additional Comments

**BMP4: Partner Reported Opportunities (PROs)**

**Current Year Activities**

**A. Facility/location identifier information:**

Scottsville, VA

**B. Description of PRO**

Please specify the technology or practice that was implemented:

**Using pipeline pumpdown techniques to lower gas line pressure before maintenance**

Please describe how your company implemented this PRO:

**portable recompression**

**C. Level of Implementation**

**D. Methane Emissions Reduction**

Methane Emissions Reduction: **12,310 Mcf/year**

Basis for the emissions reduction estimate: **Actual field measurement**

**E. Are these emissions reductions a one-year reduction or a multi-year reduction?**

☒ One-year

☐ Multi-year

**If Multi-year:**

Partner will report this activity once and let EPA automatically calculate future emission reductions based on sunset date duration.

Partner will report this activity annually up to allowed sunset date.



**F. Cost Summary**

Estimated cost of implementing the PRO (including equipment and labor):   **\$ 23,550**

**G. Total Value of Gas Saved**

Value of Gas Saved:   **\$ 86,170**

\$ / Mcf used:   **\$ 7.00**

**H. Planned Future Activities**

To what extent do you expect to implement this PRO next year?:   **continue practice**

**Previous Years' Activities**

<b>Year</b>	<b>Frequency of practice or # of Installations</b>	<b>Total Cost *</b> <b>(\$)</b>	<b>Estimated Reductions</b> <b>(Mcf/Yr)</b>	<b>Value of Gas Saved (\$)</b>

\* Total cost of practice/activity (including equipment and labor)

**Additional Comments**

**BMP4: Partner Reported Opportunities (PROs)**

**Current Year Activities**

**A. Facility/location identifier information:**

Selma, AL

**B. Description of PRO**

Please specify the technology or practice that was implemented:

**Using pipeline pumpdown techniques to lower gas line pressure before maintenance**

Please describe how your company implemented this PRO:

**portable recompression**

**C. Level of Implementation**

**D. Methane Emissions Reduction**

Methane Emissions Reduction: **74,090 Mcf/year**

Basis for the emissions reduction estimate: **Actual field measurement**

**E. Are these emissions reductions a one-year reduction or a multi-year reduction?**

☒ One-year

☐ Multi-year

**If Multi-year:**

Partner will report this activity once and let EPA automatically calculate future emission reductions based on sunset date duration.

Partner will report this activity annually up to allowed sunset date.

## Transmission - Natural Gas STAR Annual Report 2007

### F. Cost Summary

Estimated cost of implementing the PRO (including equipment and labor): \$ 163,080

### G. Total Value of Gas Saved

Value of Gas Saved: \$ 518,630

\$ / Mcf used: \$ 7.00

### H. Planned Future Activities

To what extent do you expect to implement this PRO next year?: continue practice

### Previous Years' Activities

Year	Frequency of practice or # of Installations	Total Cost * (\$)	Estimated Reductions (Mcf/Yr)	Value of Gas Saved (\$)

\* Total cost of practice/activity (including equipment and labor)

### Additional Comments

BMP4: Partner Reported Opportunities (PROs)

**Current Year Activities**

**A. Facility/location identifier information:**

Stanley, NC

**B. Description of PRO**

Please specify the technology or practice that was implemented:

**Using pipeline pumpdown techniques to lower gas line pressure before maintenance**

Please describe how your company implemented this PRO:

**portable recompression**

**C. Level of Implementation**

**D. Methane Emissions Reduction**

Methane Emissions Reduction: **44,600 Mcf/year**

Basis for the emissions reduction estimate: **Actual field measurement**

**E. Are these emissions reductions a one-year reduction or a multi-year reduction?**

☒ One-year

☐ Multi-year

**If Multi-year:**

Partner will report this activity once and let EPA automatically calculate future emission reductions based on sunset date duration.

Partner will report this activity annually up to allowed sunset date.

**F. Cost Summary**

Estimated cost of implementing the PRO (including equipment and labor): \$ 86,280

**G. Total Value of Gas Saved**

Value of Gas Saved: \$ 312,200

\$ / Mcf used: \$ 7.00

**H. Planned Future Activities**

To what extent do you expect to implement this PRO next year?: continue practice

**Previous Years' Activities**

Year	Frequency of practice or # of Installations	Total Cost * (\$)	Estimated Reductions (Mcf/Yr)	Value of Gas Saved (\$)

\* Total cost of practice/activity (including equipment and labor)

**Additional Comments**

BMP4: Partner Reported Opportunities (PROs)

**Current Year Activities**

**A. Facility/location identifier information:**

Unionville, VA

**B. Description of PRO**

Please specify the technology or practice that was implemented:

**Using pipeline pumpdown techniques to lower gas line pressure before maintenance**

Please describe how your company implemented this PRO:

**portable recompression**

**C. Level of Implementation**

**D. Methane Emissions Reduction**

Methane Emissions Reduction: **34,490 Mcf/year**

Basis for the emissions reduction estimate: **Actual field measurement**

**E. Are these emissions reductions a one-year reduction or a multi-year reduction?**

☒ One-year

☐ Multi-year

**If Multi-year:**

Partner will report this activity once and let EPA automatically calculate future emission reductions based on sunset date duration.

Partner will report this activity annually up to allowed sunset date.

**F. Cost Summary**

Estimated cost of implementing the PRO (including equipment and labor):   **\$ 51,450**

**G. Total Value of Gas Saved**

Value of Gas Saved:   **\$ 241,430**

\$ / Mcf used:   **\$ 7.00**

**H. Planned Future Activities**

To what extent do you expect to implement this PRO next year?:   **continue practice**

**Previous Years' Activities**

<b>Year</b>	<b>Frequency of practice or # of Installations</b>	<b>Total Cost * (\$)</b>	<b>Estimated Reductions (Mcf/Yr)</b>	<b>Value of Gas Saved (\$)</b>

\* Total cost of practice/activity (including equipment and labor)

**Additional Comments**

Williams Gas Pipeline  
Additional Accomplishments

June 02, 2008